

CBS Service Configuration Mode Commands

Important In Release 20 and later, HNBGW is not supported. Commands in this configuration mode must not be used in Release 20 and later. For more information, contact your Cisco account representative.

The Cell Broadcasting Service (CBS) Configuration Mode is used to create and manage CBS service instances for the current context.

Command Modes Exec > Global Configuration > Context Configuration > Cell Broadcasting Service Configuration

configure > context *context_name* **cbs-service** *service_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-cbs-service)#`

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bind

This command binds the CBS service to the IP address of a logical interface.

Product HNB-GW

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Context Configuration > Cell Broadcasting Service Configuration

configure > context *context_name* **cbs-service** *service_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-cbs-service)#
```

Syntax Description

bind address *ip_address* **port** *port_number*
no bind address

no

Removes a previously configured binding.

ip_address

Specifies the IPv4 type IP address of CBS service. *ip_address* must be expressed in IPv4 dotted-decimal notation.

port

Specifies the TCP port of the CBS service. *port_number* is an integer between 1 and 65535. Standard port used for service area broadcast ptotocol (SABP) is 3452 in case no other port is configured. It is an optional parameter.

Usage Guidelines

Use this command to associate or tie a CBS service to a specific logical IP address previously configured in the current context and bound to a port.

Example

The following command binds the CBS service to the interface with an IP address of *92.168.1.111* having port number 8888:

bind address *192.168.1.111* **port** *8888*

cbc-address-validation

This command is used for validation of Cell Broadcasting Centre IP address.

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Syntax Description

[no] cbc-address-validation

no

Disables the validation of Cell Broadcasting Centre IP address.

Usage Guidelines

Use this command to validate the Cell Broadcasting Centre IP address.

Example

The following command validates the Cell Broadcasting Centre IP address:

cbc-address-validation

cbc-server

This command configures the CBC server for cell broadcasting service.

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Privilege

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Command Modes

Exec > Global Configuration > Context Configuration > Cell Broadcasting Service Configuration

configure > context *context_name* **cbs-service** *service_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-cbs-service)#`

Syntax Description

cbc-server address *ipv4_address* **[port** *port_number* **] [secondary-address** *ipv4_address* **[port** *port_number* **]]**
no cbc-server address

no

Disables the previously configured CBC server.

ip4_address

Specifies the IPv4 type IP address of CBC server. *ip_address* must be expressed in IPv4 dotted-decimal notation.

port

Specifies the TCP port of the CBS service. *port_number* is an integer between 1 and 65535. Standard port used for service area broadcast ptotocol (SABP) is 3452 in case no other port is configured. It is an optional parameter.

secondary-address

Specifies the address of other CBC server.*ipv4_address* is an IPv4 address, using dotted-decimal notation

Usage Guidelines

Use this command to configure the CBC server.

Example

The following command configures a CBC server with an IP address of *92.168.1.112* having default port number 3452::

cbc-server*92.168.1.112*

end

Exits the current configuration mode and returns to the Exec mode.

Product All

Privilege Security Administrator, Administrator

Syntax Description **`end`**

Usage Guidelines Use this command to return to the Exec mode.

exit

Exits the current mode and returns to the parent configuration mode.

Product All

Privilege Security Administrator, Administrator

Syntax Description **`exit`**

Usage Guidelines Use this command to return to the parent configuration mode.

sabp timer

Configures the Service Area Broadcast Protocol (SABP) procedure timer value.

Product HNB-GW

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Context Configuration > Cell Broadcasting Service Configuration

configure > context *context_name* **cbs-service** *service_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-cbs-service)#`

Syntax Description **`[ default | no ] sabp timer`***`timer_value`*

default

Restores the SABP timer value to the default: 10 seconds.

no

Disables the previouly configured SABP timer value.

sabp timer

Configures the SABP timer which is the wait time for receiving the SABP response from a peer. *timer_value* is an integer value between 1 and 30.

Usage Guidelines

This command is used to set/restore the SABP timer value.

Example

The following command configures the SABP timer value to 25:

```
sabp timer 25
```

sabp-class2-aggregation

This command configures the SABP class-2 aggregation timeout.

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HNB-GW

Privilege

Security Administrator, Administrator

Syntax Description

```
sabp-class2-aggregation timeout timeout_value
[ default | no ] sabp-class2-aggregation timeout
```

default

Restores the SABP class-2 aggregation timeout value to the default: 2 seconds.

no

Disables the previouly configured SABP class-2 aggregation timeout value.

sabp-class2-aggregation timeout

Configures the SABP class-2 aggregation timeout value. *timeout_value* is an integer value between 1 and 10.

Usage Guidelines

This command is used to configure the SABP class-2 aggregation timeout.

Example

The following command configures the SABP class-2 aggregation timeout value to 6:

```
sabp-class2-aggregation timeout 6
```

tcp-keepalive

This command is TCP Keepalive timer. It is used to check liveness of Cell Broadcasting Centre. The CBS service must be restarted after setting new values.

Product HNB-GW

Privilege Security Administrator, Administrator

Syntax Description

```
tcp-keepalive idle-timeout idle_timeout_value max-retransmission-count count
  interval value
[ default | no ] tcp-keepalive
```

default

Restores the TCP Keepalive timer related values to default: idle-timeout(600 seconds), max-retransmission-count (3) and interval (30 seconds).

no

Disables the TCP Keepalive timer.

tcp-keepalive idle-timeout

This is the time in seconds to wait before checking the liveness of Cell Broadcasting Centre. *timeout_value* is an integer value between 60 and 7200.

max-retransmission-count

This is the number of attempts to check liveness of Cell Broadcasting Centre after idle time. *count* is an integer value between 2 and 10.

interval

This is the time in seconds between attempts to check liveness of Cell Broadcasting Centre after idle time. *value* is an integer value between 10 and 100.

Usage Guidelines This command is used to check the liveness of Cell Broadcasting Centre.

Example

The following command checks the liveness of Cell Broadcasting Centre with **tcp-keepalive idle-timeout** as 66 seconds, **max-retransmission-count** as 5 and **interval** as 15:

```
tcp-keepalive idle-timeout 66 max-retransmission-count 5 interval 15
```

tcp-mode

This comand configures the mode of TCP connection.

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Syntax Description

```
tcp-mode { client-server | server-only }
```

client-server

This specifies that the HNBGW can act either as client or server.

server-only

This specifies that the HNBGW can act only as server.

Usage Guidelines

This command is used to configure the mode of TCP connection.

Example

The following command configures the HNBGW as Client and Server.

```
tcp-mode client-server
```